## WHAT IS CLAIMED IS:

1. An isolated humanized antibody that immunoreacts with an epitope present on human TF and inhibits the binding of human coagulation factor VIIa to human TF.

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- 2. The isolated humanized antibody of claim 1, wherein the CDR amino acid sequences of the humanized antibody are derived from a parent monoclonal antibody.
- 3. The isolated humanized antibody of claim 2, wherein the parent monoclonal antibody is a mouse monoclonal antibody.
  - 4. The isolated humanized antibody of claim 1, wherein the humanized antibody is a Fab fragment.
- 15 5. The isolated humanized antibody of claim 1, wherein the humanized antibody is a F(ab)<sub>2</sub> fragment.
  - 6. The isolated humanized antibody of claim 1, wherein the humanized antibody is a F(ab')<sub>2</sub> fragment.

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- 7. The isolated humanized antibody of claim 1, wherein the humanized antibody is a single chain Fv fragment.
- 8. The isolated humanized antibody of claim 1, wherein the humanized antibody has a K<sub>d</sub> for binding to human TF of from about 10<sup>-15</sup> to about 10<sup>-8</sup> M.
  - 9. The isolated humanized antibody of claim 8, wherein the humanized antibody has a  $K_d$  for binding to human TF of from about  $10^{-15}$  to about  $10^{-10}$  M.
- 30 The isolated humanized antibody of claim 9, wherein the humanized antibody has a  $K_d$  for binding to human TF of from about  $10^{-15}$  to about  $10^{-12}$  M.
  - 11. The isolated humanized antibody of claim 1, wherein the human framework amino acid sequences of the humanized antibody are derived from a human antibody that immunoreacts with a second epitope present on human TF.

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- 12. The isolated humanized antibody of claim 11, wherein the second epitope comprises an amino acid residue at a particular position of human TF that also is comprised within the epitope.
- The isolated humanized antibody of claim 12, wherein the amino acid residue at a particular position of human TF is selected from the group consisting of Trp45, Lys46, and Tyr94.
- The isolated humanized antibody of claim 11, wherein the epitope or
   second epitope comprises an amino acid residue selected from the group consisting of
   Trp45, Lys46, and Tyr94.
  - 15. A pharmaceutically acceptable composition comprising a therapeutically effective amount of the isolated humanized antibody of claim 1.
  - 16. A pharmaceutically acceptable composition comprising a therapeutically effective amount of the isolated humanized antibody of claim 12.
- 17. A method for treating a FVIIa/TF related disorder in a human comprising administering a therapeutically effective amount of a humanized antibody that immunoreacts with an epitope on human TF and inhibits the binding of human coagulation factor VIIa to human TF.
- 18. A method for preparing a humanized antibody comprising preparing
  25 humanized antibodies against human TF and (i) testing the antibodies in a FVIIa/TF
  amidolytic assay and selecting a humanized antibody that inhibits TF-induced FVIIa
  amidolytic activity with an IC<sub>50</sub> value that is less than the IC<sub>50</sub> value of FFR-rFVIIa + about 100
  nM (using 10 nM FVIIa in the assay), (ii) testing the antibodies in a FVIIa competition assay
  and selecting a humanized antibody that compete with FVIIa binding, or (iii) testing the
  30 antibodies in a FVIIa signaling assay and selecting a humanized antibody that inhibits FVIIainduced intracellular signaling.
  - 19. The method of claim 21, wherein the method comprises testing antibodies in a FVIIa/TF amidolytic assay and selecting a humanized antibody that inhibits TF-induced FVIIa amidolytic activity with an  $IC_{50}$  value less than the  $IC_{50}$  value of FFR-rFVIIa + about 100 nM (using 10 nM FVIIa in the assay).

20. The method of claim 18, wherein the method comprises testing antibodies in a FVIIa competition assay and selecting a humanized antibody which competes with FVIIa binding.

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- 21. The method of claim 18, wherein the method comprises testing antibodies in a FVIIa signaling assay and selecting a humanized antibody that inhibits FVIIa-induced intracellular signaling.
- 10 22. A method of preparing a humanized antibody comprising:
  - (a) preparing immortal cells that secrete humanized antibodies;
  - (b) isolating culture medium from the immortal cells comprising humanized antibodies,
- testing the antibodies in (i) an indirect TF ELISA assay comprising TF in (c) 15 solution and selecting a humanized antibody therefrom that detectably immunoreacts with human TF in solution; (ii) a FVIIa competition assay and selecting a humanized antibody therefrom that detectably competes with FVIIa binding; (iii) a FVIIa/TF amidolytic assay and selecting a humanized antibody therefrom that inhibits TF-induced FVIIa amidolytic activity with an IC<sub>50</sub> value that is less than the IC<sub>50</sub> value of FFR-rFVIIa + about 100 nM (using 10 nm 20 FVIIa in the assay); (iv) a FXa generation assay and selecting a humanized antibody therefrom that inhibits FXa generation with an  $IC_{50}$  value that is less than the  $IC_{50}$  value of FFR-rFVIIa + about100 nM (using 0.1 nM FVIIa in the assay); (v) a TF-induced clot assay and selecting a humanized antibody therefrom that inhibits clot formation with an IC50 value that is less than the IC<sub>50</sub> value of FFR-rFVIIa + about 1 nM; or (vi) any combination of (i)-(v) 25 and selecting a humanized antibody that meets the criteria of the selected tests,
  - (d) cultivating a cell that produces the humanized antibody, and
  - (e) isolating the humanized antibody.
- 23. The method of claim 22, wherein the method comprises testing the antibodies in a direct TF ELISA assay comprising immobilized TF and selecting humanized antibodies that immunoreact with immobilized human TF.
  - 24. The method of claim 23, wherein the method further comprises testing antibodies in a FXa generation assay on a TF expressing cell and selecting a humanized antibody that inhibits FXa generation on TF expressing cell with an  $IC_{50}$  value less than the  $IC_{50}$  value of FFR-rFVIIa + about 500 nM (using 1 nM FVIIa in the assay).

25. The method of claim 22, wherein the method comprises testing the antibodies in a whole cell TF binding assay and selecting a humanized antibody that competes with FVIIa binding to human TF expressed on the surface of the whole cells.

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26. The method of claim 22, wherein the method comprises testing the antibodies in a biosensor assay and selecting a humanized antibody with a  $K_d$  for binding to human TF of less than about 100 nM..

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- 27. The method of claim 22, wherein the method comprises testing the antibodies in a FVIIa signaling assay and selecting a humanized antibody that inhibits FVIIa-induced intracellular signaling.
- 28. The method of claim 22, wherein the method comprises testing the antibodies in an epitope mapping assay and selecting a humanized antibody that immunoreacts with one or more selected epitopes on TF.
  - 29. The method of claim 28, wherein the preferred epitope comprises an amino acid residue selected from the group consisting of Trp45, Lys46, and Tyr94.

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- 30. A cell that produces a humanized antibody that immunoreacts with an epitope on human TF and inhibits the binding of human coagulation factor VIIa to human TF.
  - 31. The cell of claim 30, wherein the cell is a mammalian cell.

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32. The cell of claim 30, wherein the cell is a selected from the group consisting of CHO, BHK, HEK293, P3X63-Ag8, P3X63-AG8.653, PERC6, NS0, YB2/0, P3/NS1-Ag4-1 (NS-1), Sp2/0-Agl4 and S194/5.XXO.Bu.1.

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33. An isolated humanized antibody that immunoreacts with an epitope on a protein, wherein the human framework amino acid sequences of the humanized antibody are derived from a human antibody that immunoreacts with a second epitope on the protein and the second epitope comprises an amino acid residue at a particular position of the protein that also is comprised within the epitope.